

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4RSRK-TS-50-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TS-50-HE-L930
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

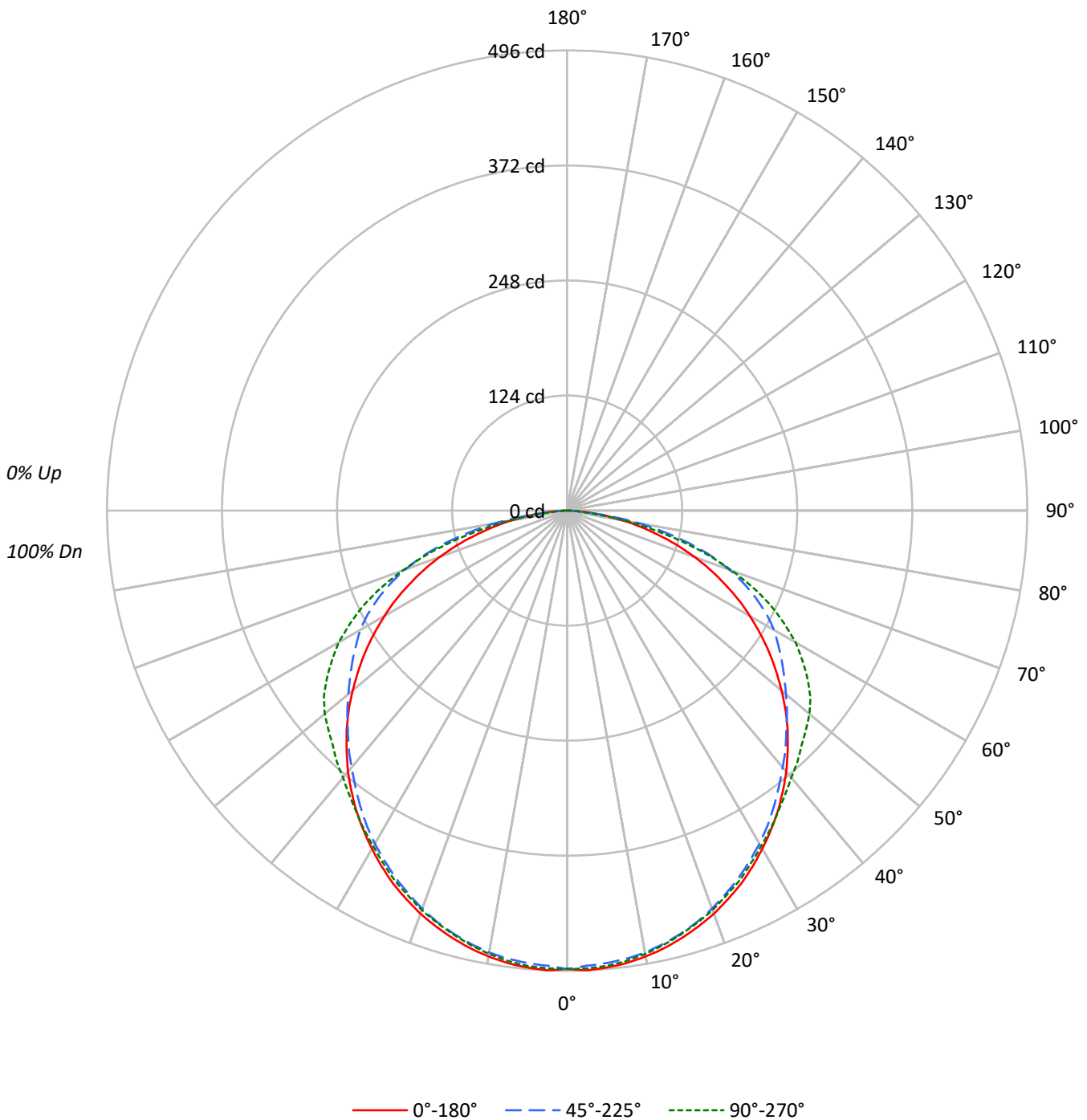
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1521.4 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1330	1330	1330
5°	1336	1323	1331
10°	1333	1322	1326
15°	1329	1316	1318
20°	1324	1308	1312
25°	1318	1298	1306
30°	1308	1288	1299
35°	1300	1278	1302
40°	1291	1270	1320
45°	1279	1272	1360
50°	1263	1289	1427
55°	1247	1325	1484
60°	1225	1386	1531
65°	1195	1433	1543
70°	1149	1463	1482
75°	1058	1416	1325
80°	938	1218	1017
85°	676	618	404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	3.1
10°-20°	133.9	8.8
20°-30°	202.8	13.3
30°-40°	245.9	16.2
40°-50°	263.1	17.3
50°-60°	255.0	16.8
60°-70°	213.6	14.0
70°-80°	131.2	8.6
80°-90°	29.0	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	383.5	25.2
0°-40°	629.4	41.4
0°-60°	1147.5	75.4
0°-90°	1521.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	494	493	490	493	493	47
15°	477	476	472	474	473	135
25°	444	441	437	440	440	204
35°	396	391	389	396	396	248
45°	336	329	334	351	357	259
55°	266	258	282	310	316	237
65°	188	187	225	240	242	186
75°	102	119	136	130	127	108
85°	22	29	20	14	13	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	494.1	494.1	494.1	494.1	494.1
2.5°	496.0	494.7	491.0	494.1	493.9
5°	494.4	493.3	489.6	492.8	492.6
7.5°	492.0	491.0	487.2	490.4	489.6
10°	488.0	487.2	483.8	486.2	485.1
12.5°	483.2	482.4	478.4	481.1	479.8
15°	477.1	476.0	472.3	474.4	473.1
17.5°	470.2	468.8	465.1	467.2	465.9
20°	462.4	460.6	456.6	459.5	458.2
22.5°	453.1	451.8	447.0	450.2	448.8
25°	443.8	441.1	437.1	440.0	439.8
27.5°	432.6	429.9	425.9	429.4	428.8
30°	420.9	417.9	414.5	417.9	417.9
32.5°	408.6	404.9	402.2	406.2	407.5
35°	395.8	390.7	388.9	395.5	396.3
37.5°	381.7	376.6	375.0	383.8	385.9
40°	367.5	361.2	361.4	372.6	375.8
42.5°	351.8	345.4	348.4	361.4	367.3
45°	336.1	328.9	334.2	351.3	357.4
47.5°	319.6	312.6	321.4	341.4	349.2
50°	301.7	294.8	307.8	332.1	340.9
52.5°	283.6	276.4	294.8	322.5	330.5
55°	265.7	258.5	282.5	310.5	316.4
57.5°	246.5	240.4	269.7	294.8	300.6
60°	227.6	222.3	257.5	278.8	284.4
62.5°	208.2	204.2	242.5	260.4	263.6
65°	187.6	186.6	225.0	240.1	242.3
67.5°	167.1	169.8	206.8	216.7	217.0
70°	146.1	153.3	186.0	190.3	188.4
72.5°	124.7	137.3	163.1	161.0	159.4
75°	101.8	118.9	136.2	130.3	127.4
77.5°	81.0	100.2	107.4	99.1	94.6
80°	60.5	79.2	78.6	68.0	65.6
82.5°	40.8	55.2	47.2	38.4	33.6
85°	21.9	29.3	20.0	13.9	13.1
87.5°	8.3	6.9	5.3	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)